

WILCO ASSOCIATES

3M

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Dpm 3279

3M General Offices
3M Center
St. Paul, Minnesota
55144-1000
612/733-1110
Duns No.: 00-617-3082

Occupational Safety

FEB 11 1991

MATERIAL SAFETY DATA SHEET

DIVISION: AEROSPACE MATERIALS DEPARTMENT

TRADE NAME:

SCOTCH-WELD (TM) EC-2216 B/A Part A Gray Epoxy Adhesive

3M I.D. NUMBER: 62-2216-0540-5 62-2216-5440-3 62-2216-6440-2
62-2216-7440-1 62-2217-8540-5

ISSUED: January 4, 1990

SUPERSEDES: September 21, 1989

DOCUMENT: 10-9143-8

1. INGREDIENTS	C.A.S. #	PERCENT	EXPOSURE LIMITS			
			VALUE	UNIT	TYPE	AUTH
amine terminated polymer -						
N.J. Trade Secret (T.S.)						
Registry No. 04499600-5569P	T.S.	55 - 70	NONE	NONE	NONE	NONE
kaolin	1332-58-7	30 - 45	10	mg/m3	TWA	ACGIH
carbon black	1333-86-4	0.01 - 0.1	3.5	mg/m3	TWA	ACGIH

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

NOTE: THIS ACCEL. (MFG. EC-2217) used with SCOTCH-WELD EC-2216 B/A Part B Gray Epoxy Adhesive; (MFG. EC-2216 -- MSDS DOC #1091420).

2. PHYSICAL DATA

BOILING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: nil
SPECIFIC GRAVITY (WATER = 1): .. 1.26
PERCENT VOLATILE: 0 % by weight
VOLATILE ORGANICS: N/A
pH: N/D
VISCOSITY: 52 centipoise

Abbreviations: N/D - Not Determined

N/A - Not Applicable

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
FLAMMABILITY LIMIT - LEL: N/A
FLAMMABILITY LIMIT - UEL: N/A
AUTOIGNITION TEMPERATURE: N/D

EXTINGUISHING MEDIA:

CO2, foam, dry chemical, water

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should wear self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 0 REACTIVITY: 1
UNUSUAL REACTION HAZARD: NONE

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:
N/A

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO2, and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL DATA

SPILL RESPONSE:

Ventilate the area. Observe the precautions from other sections. Collect spilled materials. Place in a U.S. Department of Transportation - approved metal container, and seal.

RECOMMENDED DISPOSAL:

Mix Part A with Part B. Completely cure and dispose of fully cured waste product in a sanitary landfill. Incinerate uncured bulk product after mixing with flammable material in an industrial or commercial facility. Disposal should be in accordance with applicable regulations.

Abbreviations: N/D - Not Determined

N/A - Not Applicable



5. ENVIRONMENTAL DATA (cont.)

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):

Maximum VOC = N/A.

Maximum VOC minus Water minus Exempt Solvents = N/A.

SARA HAZARD CLASS:

FIRE HAZARD: NO PRESSURE: NO REACTIVITY: NO ACUTE: YES CHRONIC: YES

6. SUGGESTED FIRST AID

EYE CONTACT:

Flush eyes with large amounts of water for at least 10 minutes. Call a physician.

SKIN CONTACT:

Thoroughly wash affected area with soap and water.

INHALATION:

Remove person to uncontaminated air. Call a physician.

INGESTION:

Do not induce vomiting. Immediately call a physician or poison control center.

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL AND PROFESSIONAL USE ONLY. This material is part of a two component system. The precautions for each component should be observed when separate or mixed. Use only with sufficient ventilation to remove vapors and prevent vapor buildup. Avoid breathing vapors during heat curing. Curing equipment should be vented properly to the outdoors or to a suitable emission control device. Avoid eye contact. Wear appropriate eye protection such as safety glasses or chemical goggles. Avoid skin contact. Wear impervious gloves and protective clothing as necessary to prevent skin contact. Avoid eye contact with or breathing dust from cutting, grinding, or sanding operations on the cured product. Wear safety glasses or goggles and dust mask to avoid dust exposure. Wash contaminated clothing before reuse. Keep container closed when not in use. Keep out of the reach of children.

Abbreviations: N/D - Not Determined

N/A - Not Applicable

7. PRECAUTIONARY INFORMATION (cont.)

with or breathing dust from cutting, grinding, or sanding operations on the cured product. Wear safety glasses or goggles and dust mask to avoid dust exposure. Wash contaminated clothing before reuse. Keep container closed when not in use. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS			
	VALUE	UNIT	TYPE	AUTH
kaolin	10	mg/m3	TWA	OSHA
carbon black	3.5	mg/m3	TWA	OSHA

SOURCE OF EXPOSURE LIMIT DATA:

- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: Extremely irritating to eyes upon direct contact. Dust from grinding, sanding or cutting operations on the cured product may cause eye irritation.

SKIN CONTACT: May cause skin irritation upon prolonged contact. May cause an allergic skin reaction in certain individuals.

INHALATION: Vapors may be irritating to the respiratory system. Dust from grinding, sanding or cutting operations on the cured material may cause respiratory system irritation.

INGESTION: May cause digestive system irritation.

SECTION CHANGE DATES

The HEADER SECTION has been changed since September 21, 1989

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.



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B

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TRADE NAME:

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3M I.D. NUMBER: 62-2216-0540-5 62-2216-5440-3 62-2216-6440-2
62-2216-7440-1 62-2216-8540-7

ISSUED: January 4, 1990

SUPERSEDES: September 21, 1989

DOCUMENT: 10-9142-0

1. INGREDIENTS	C.A.S. #	PERCENT	EXPOSURE LIMITS			
			VALUE	UNIT	TYPE	AUTH
epoxy resin	25068-38-6	70 - 80	NONE	NONE	NONE	NONE
kaolinite	1318-74-7	20 - 30	NONE	NONE	NONE	NONE

SOURCE OF EXPOSURE LIMIT DATA:

- NONE: None Established

NOTE: This Base (Mfg. #EC-2216) used with SCOTCH-WELD EC-2216 B/A Part A Gray Epoxy Adhesive; (Mfg. #EC-2217 -- MSDS DOC #1091438).

2. PHYSICAL DATA

BOILING POINT: N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY: N/A
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: nil
SPECIFIC GRAVITY (WATER = 1): .. 1.33
PERCENT VOLATILE: 0 % by weight
VOLATILE ORGANICS: N/A
pH: N/A
VISCOSITY: ca. 100 centipoise

APPEARANCE AND ODOR: Off-white, creamy paste, very slight epoxy odor.

Abbreviations: N/D - Not Determined

N/A - Not Applicable